

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000193

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04M 3/38, H04M 3/523, H04Q 3/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003103621 A1 (MICHAEL WAYNE BROWN ET AL), 5 June 2003 (05.06.2003), figures 1-9, claim 16, abstract, see page 1 parts 15-19 --	1-8
Y	US 5506898 A (RALPH J. COSTANTINI ET AL), 9 April 1996 (09.04.1996), column 2, line 1 - line 60, claims 1-19, abstract --	1-8
Y	US 2003031309 A1 (JASON RUPE ET AL), 13 February 2003 (13.02.2003), figures 1-3, abstract, see page 1, part 5 - page 2, part 15 --	1-8

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

20 July 2004

Date of mailing of the international search report

22-07-2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6259786 B1 (DOUG GISBY), 10 July 2001 (10.07.2001), column 2, line 35 - column 3, line 21, figures 1-3, abstract --- -----	1-8

INTERNATIONAL SEARCH REPORT

Information on patent family members

30/04/2004

International application No.

PCT/FI 2004/000193

US	2003103621	A1	05/06/2003	NONE		
US	5506898	A	09/04/1996	NONE		
US	2003031309	A1	13/02/2003	WO	03015425 A	20/02/2003
US	6259786	B1	10/07/2001	AU	2674899 A	30/08/1999
				US	6002760 A	14/12/1999
				US	6263066 B	17/07/2001
				WO	9941895 A	19/08/1999